

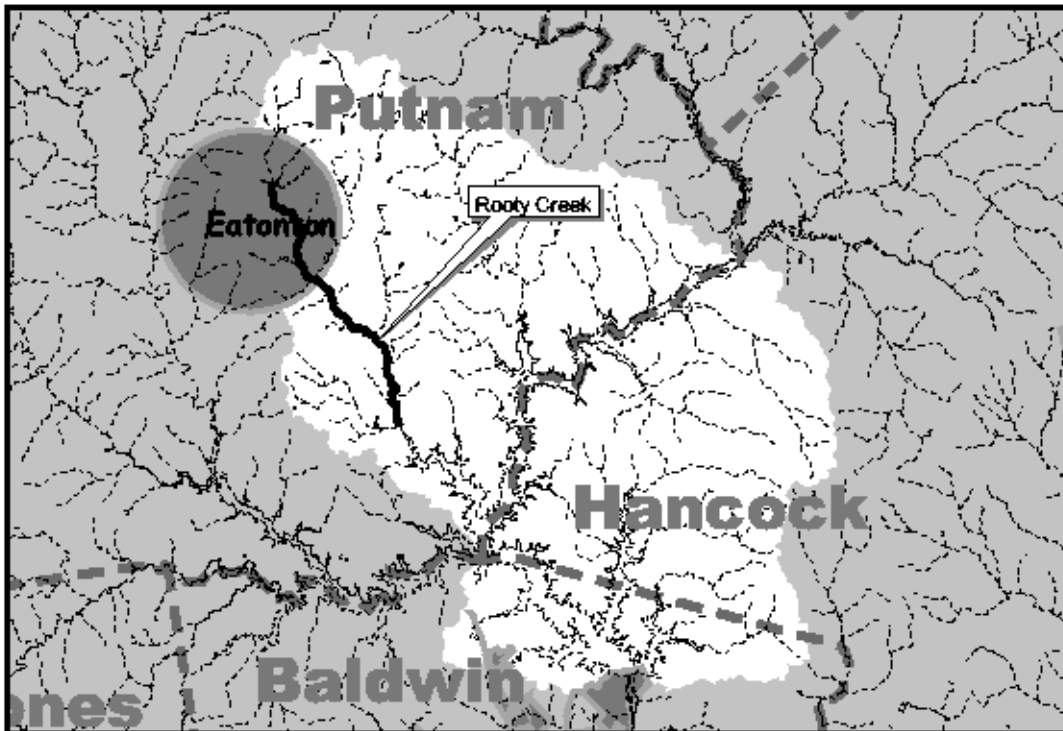
**STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN**

**ROOTY CREEK
(Fecal Coliform)**

Prepared by
**The Georgia Department of Natural Resources
Environmental Protection Division
Atlanta, GA**

TMDL Implementation Plans are platforms for establishing a course of actions to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies. The overall goal of the Plan is to define a set of actions that will help achieve water quality standards in the state of Georgia. This plan was originally prepared as an implementation inventory by the Middle Georgia RDC with a Section 604(b) Grant. TMDL load allocation information has been updated to reflect the approved TMDL.

HUC10 - 0307010118



Impaired Waterbody*	Impaired Stream Location	River Basin	Miles/Area Impacted	Partially Supporting/ Not Supporting
Rooty Creek	Rd. S926 Eatonton to Little Creek	Oconee	9	Not Supporting

**TMDL IMPLEMENTATION PLAN
For
FECAL COLIFORM BACTERIA
In
ROOTY CREEK
PUTNAM COUNTY, GEORGIA**

Developed by

Middle Georgia Regional Development Center

In Coordination with

Rooty Creek/Little River Plan Advisory Committee

September 15, 2001

The preparation of this report was financed in part through a grant from the U.S. Environmental Protection Agency under the Provisions of Section 604(b) of the Federal Water Pollution Control Act, as amended.

Rooty Creek Fecal Coliform Bacteria TMDL Implementation Plan

BACKGROUND

The stream segment under study is Rooty Creek from Road S. 926 in Eatonton to Little Creek (see attached map) that covers approximately nine miles in Putnam County. Rooty Creek has water classification of fishing, and its degree of impairment is listed as non-supporting. TMDL load limit and allocation data is not yet available. It will soon be released by the Environmental Protection Agency, which is preparing the TMDL.

To assist in its development of this TMDL Implementation Plan, the Middle Georgia RDC established the Rooty Creek/Little River Plan Advisory Committee consisting of representatives from agriculture, forestry, local government, the private business sector, University of Georgia, Georgia State College and University, major environmental organizations, and local citizens (see Appendix A). Several meetings of this Plan Advisory Committee were held to review the TMDL process and provide input into the inventory document. In addition, major property owners along Rooty Creek were notified of the impending TMDL and were asked to provide input when it becomes available (see Appendix B). They will also be given an active role during the implementation phase of this process.

SOURCES CONTRIBUTING TO IMPAIRMENT

Without the benefit of the TMDL document, six possible non-point sources were identified as contributing to the impairment. The first is wildlife depositing feces onto land surfaces where it can be transported during storm events to nearby streams. The second is from the illegal dumping of animal waste in streams. Third, while livestock graze, they deposit feces onto land surfaces where it could be transported during storm events to nearby streams. The fourth possible non-point source is from the misapplication of manure applied to pastureland and cropland. The failure of septic systems and illicit discharges of raw sewerage is the fifth possible non-point source. The final possible non-point source is from urban development, stormwater runoff, leaks and overflows from sanitary waste, runoff from improper disposal of waste materials, leaking septic systems, and domestic animals.

EXISTING REGULATORY/VOLUNTARY ACTIONS

In addition to a host of federal and state laws administered by various agencies, there are a number of important regulatory and voluntary actions currently being implemented to address the possible non-point sources noted above. They are:

- The NPDES Permit for the Eatonton-East WPCP that establishes average flow and fecal coliform loading limits.
- Putnam County has adopted a soil and sedimentation control ordinance, water supply watershed protection ordinance, groundwater recharge area protection ordinance, wetlands protection ordinance, zoning ordinance, and a floodplain management ordinance.
- The City of Eatonton has adopted a soil and sedimentation control ordinance, a zoning ordinance, and a floodplain management ordinance.
- The Putnam County Health Department administers septic tank regulations that require the review of septic tank plans on on-site inspections of new septic tanks.
- The Georgia Department of Natural Resources-Environmental Protection Division requires general stormwater NPDES permits for construction sites that disturb more than five acres or more. The threshold will be lowered to one acre in 2003.

- The Georgia Department of Natural Resources has an Adopt-A-Stream program at Rooty Creek. This program includes visual surveys and stream monitoring and clean-up.
- The Rock-Eagle 4-H Center provides numerous environmental programs and workshops for school-age children and adults.
- The Eatonton/Putnam County 4-H programs provide agricultural and natural resource education for youth.
- Eatonton/Putnam County has a natural resource public education program that includes videotapes, a curriculum for public school students, and a speakers' bureau.
- The University of Georgia Cooperative Extension Service, the Georgia Soil and Water Conservation Commission and the Natural Resources Conservation Service all are very active in preventing non-point pollution from agricultural operations, including livestock and dairy. This includes conducting educational programs, developing BMPs for these operations and providing technical and, at times, financial assistance to farmers for BMP implementation, and performing basic and applied research on new methods to control agriculture non-point pollution.
- The Georgia Forestry Commission operates a water quality program that includes the development of BMPs, BMP education programs, and BMP monitoring for compliance.

RECOMMENDED REGULATORY AND VOLUNTARY MEASURES

Additional recommended regulatory or other measures that should be implemented to reduce the loads identified in the proposed TMDL are listed below:

- Adoption of Part V Environmental Criteria Ordinances for the City of Eatonton.
- Adherence to BMPs and establishment of BMP criteria regarding buffers/setbacks along all perennial streams.
- Revisions to the Putnam County and Eatonton zoning ordinances to create flexibility that includes incentives to land developers to protect sensitive natural resources.
- Expansion of Adopt-A-Stream program along Rooty Creek.
- Establishment of partnerships with state and federal agricultural/forestry/wildlife agencies, and the local home builders association that will set mutual responsibilities on the monitoring of BMPs and NPDES permits, providing assistance to farmers, foresters and builders in implementing BMPs, providing educational programs to farmers, foresters and builders and the general public, and in managing wildlife.
- Adoption of stormwater management regulations by the City of Eatonton to require plans to control stormwater runoff from disturbed sites.
- Application of DIRT II techniques by the local builder/developer community.
- Organization and implementation of education and outreach programs for the builders/developers and the general public.
- Adoption of ordinance by Putnam County giving the Health Department authority to inspect existing septic tanks and to make sure they are in good repair and have been recently cleaned.
- Establishment of regular testing of sanitary sewer mains for leaks and overflows and make repairs where necessary in the City of Eatonton.
- Establishment of an education program for hunters by the Georgia Department of Natural Resources-Wildlife Resources Division focusing on the proper disposal of animal and human waste.

SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES

Below is the schedule for the implementation of the management measures.

Year 1

- Form Stakeholders Group
- Organize Implementation Work and Identify Potential Funding Sources
- Identify Sources of TMDL Parameters
- Develop Management Programs to Control Runoff from Agriculture, Forestry, and Urban Uses and from Wildlife
- Organize and Implement Education and Outreach Programs
- Monitor and Evaluate Results
- Reassess TMDL Allocations
- Provide Periodic Status Reports on Implementation Process

Years 2-5

- Develop Management Programs to Control Runoff from Agriculture, Forestry, and Urban Uses and from Wildlife
- Organize and Implement Education and Outreach Programs
- Detect and Eliminate Illicit Discharges
- Monitor and Evaluate Results
- Reassess TMDL Allocations
- Provide Periodic Status Reports on Implementation Process

Year 5

- Evaluate Additional Management Controls Needed
- Begin Process for Phase II

A total of 23 management controls and activities have already been implemented. Twelve new management controls/activities are proposed in the five-year program.

MONITORING PLAN

In 1999, as part of its regular basin plan monitoring program, the Georgia Department of Natural Resources conducted stream monitoring on Rooty Creek including assessing the presence of fecal coliform. The results of this stream monitoring effort showed that Rooty Creek was in violation of water quality standards throughout the year 1999. The City of Eatonton performed stream monitoring tests for fecal coliform as part of its NPDES permit requirements for the Eatonton-East WPCP. Stream monitoring, visual surveys and stream clean-up have also been conducted by the Rooty Creek Adopt-A-Stream program.

Future monitoring will include the following:

- Department of Natural Resources-Environmental Protection Division-Fecal Coliform testing as part of its Basin Planning Program in 2004.
- Fecal Coliform testing as part of the NPDES permit for the Eatonton-East WPCP.
- Stormwater turbidity testing for construction sites disturbing five acres or more (one acre beginning in 2003) as part of NPDES Stormwater Permit.
- Contractor and Rooty Creek Adopt-A-Stream program conducting fecal coliform stream monitoring during each of next five years with the exception of 2004.

CRITERIA TO DETERMINE SUBSTANTIAL PROGRESS

The focus of the stream monitoring program will be determining if the regulatory and voluntary controls and the Best Management Practices that are in place have reduced the percentage of fecal coliform concentration and result in a categorical change in the degree of impairment (from non-supporting to partially supporting, and eventually to supporting.)

Monitoring will also be conducted on the number of regulatory/voluntary programs implemented and the application of all necessary BMPs.

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Rooty Creek
(STREAM)Fecal Coliform
(PARAMETER)RIVER BASIN: Oconee
PLAN DATE: 9/15/01

Prepared by: <u>Phil Clark</u>		Or Prepared By: _____			
<u>Middle Georgia</u> Regional Development Center		Address: _____			
Address: <u>175-C Emery Highway</u>		City: _____ State: _____			
City: <u>Macon</u> State: <u>GA</u>		Zip: _____ e-mail: _____			
Zip: <u>31217</u> e-mail: <u>pclark@mgrdc.org</u>		Date Submitted to EPD: _____			
Date Submitted to EPD: <u>9/15/01</u>		Date Submitted to EPD: _____			
General Information		Significant Stakeholders			
Obtain this information from the TMDL document or other information. When completed, this document will be a self-contained report independent of the TMDL document.		Identify local governments, agricultural organizations or significant land holders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups with a major interest in this water body. (See Appendices A and B.)			
TMDL ID (to be entered by EPD)	OCO0000021	Name/Organization			
Water body name	Rooty Creek	Address			
HUC basin name	Oconee	City		State	Zip
HUC number	030701011803/1804	Phone	e-mail		
Primary county	Putnam	Name/Organization			
Secondary county	N/A	Address			
Primary RDC	Middle Georgia	City		State	Zip
Secondary RDC	N/A	Phone	e-mail		
Water body location	Rd. S. 926, Eatonton to	Name/Organization			
	Little Creek	Address			
Miles or area impacted	8.92	City		State	Zip
Parameter addressed in plan	Fecal Coliform	Phone	e-mail		
Water use classification	Fishing	Name/Organization			
Degree of impairment	Partially supporting use <input type="checkbox"/>	Address			
	Not supporting use <input checked="" type="checkbox"/>	City		State	Zip
Date TMDL approved by EPA	February 2002	Phone	e-mail		
Impairment due to	Point sources <input type="checkbox"/>	Name/Organization			
	Nonpoint sources <input checked="" type="checkbox"/>	Address			
	Both <input type="checkbox"/>	City		State	Zip
Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C		Phone	e-mail		

If more, add to comments on last page.

FORM B

SUMMARY OF ALLOCATION MODEL RESULTS FROM TMDL DOCUMENT (existing load, target TMDL, and needed reduction)

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
1.16×10^{13} (counts/30 days)	4.50×10^{12} (counts/30 days)	74%

I. IDENTIFY **NONPOINT SOURCE** CATEGORIES AND SUBCATEGORIES OR INDIVIDUAL SOURCES WHICH MUST BE CONTROLLED TO IMPLEMENT LOAD ALLOCATIONS:

List possible major nonpoint sources contributing to impairment including those identified in TMDL document.

SOURCE	DESCRIPTION OF CONTRIBUTION TO IMPAIRMENT	RECOMMENDED LOAD REDUCTION (FROM TMDL)
Wildlife	Deposits feces onto land surfaces where it can be transported during storm events to nearby streams, illegal dumping of animal verrea in streams.	N/A
Agricultural Animals	Livestock grazing – deposits feces onto land surfaces where it could be transported during storm events to nearby streams. Confined livestock operations – misapplication of manure applied to pastureland and cropland.	N/A
Leaking Septic Systems	Failure of septic systems and illicit discharges of raw sewerage.	N/A
Urban Development	Stormwater runoff, leaks and overflows from sanitary waste, runoff from improper disposal of waste materials, leaking septic systems and domestic animals.	N/A

II. DESCRIBE ANY REGULATORY OR VOLUNTARY ACTIONS INCLUDING MANAGEMENT MEASURES OR OTHER CONTROLS BY GOVERNMENTS OR INDIVIDUALS THAT SPECIFICALLY APPLY TO THE POLLUTANT AND THE WATERBODY FOR WHICH THE TMDL WAS WRITTEN, THAT WILL BE ACCOMPLISHED THROUGH RELIABLE AND EFFECTIVE DELIVERY MECHANISMS, AND THAT WILL HELP ACHIEVE THE LOAD ALLOCATIONS IN THE TMDL:

See the attachment for more instructions.

Existing or required regulatory actions

RESPONSIBLE GOVERNMENT, ORGANIZATION OR ENTITY	NAME OF REGULATION/ORDINANCE	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
Eatonton East WPCP	NPDES Permit GA0032271	Average Flow - .28 mgd; Average Fecal Coliform Loading 8.69E + 07	3/21/97	In effect
Georgia DNR/EPD	General Storm Water NPDES	Requires NPDES permit for construction sites disturbing 5 acres or more; one acre beginning 2003.	N/A	In effect
Putnam County/Eatonton	Soil/Sedimentation Control Ordinance	Requires soil/sedimentation control plans for certain land disturbances activities.	10/7/97	In effect
Putnam County	Water Supply Watershed Protection Ordinance	Requires setbacks and buffers along perennial streams within seven-mile radius upstream from water source intake.	1/5/99	In effect
Putnam County	Groundwater Recharge Area Protection Ordinance	Controls agricultural impoundment areas, lot size for septic tanks, etc.	1/5/99	In effect
EPA/Army Corps of Engineers	Clean Water Act/Section 404	Requires permit for dredge and fill activities in the lakes, rivers, and perennial and intermittent streams, wetlands, sloughs and natural ponds. Requires normal forestry practices to adhere to BMPs and 15 baseline provisions for forest road construction and maintenance and agriculture in the above waters in order to qualify for the silvaculture exemption from permitting process.	1972/6-88	In effect
U.S. Department of Agriculture	Federal Farm Bill	Prohibits landowners from converting forested wetlands to agricultural uses.	N/A	In effect
Georgia DNR EPD	Georgia Water Quality	Makes it unlawful to discharge excessive	1964	In effect

	Act	pollutants (sediments, nutrients, pesticides, animal waste, etc.) into waters of the State in amounts harmful to public health.		
Georgia DNR	Georgia Planning Act	Authorizes Georgia DNR to develop standards to protect wetlands, ground-water recharge areas, water supply watersheds, protected river corridors, and mountains.	1991	In effect
Putnam County	Zoning Ordinance	Regulates use, lot size, yard setbacks, etc. for the protection of the health, safety, and general welfare of the citizens of Putnam County.	1991; Updated 6/97	In effect
City of Eatonton	Zoning Ordinance	Regulates use, lot size, yard setbacks, etc. for the protection of the health, safety, and general welfare of the citizens of Eatonton.	1991; Updated 6/97	In effect
City of Eatonton	Floodplain Management Ordinance	Regulates development in 100-year floodplain.	1986	In effect
Putnam County	Floodplain Management Ordinance	Regulates development in 100-year floodplain.	1994	In effect
Putnam County Health Department	New Septic Tank Installation	Reviews plans for new septic tank installation to ensure state and local regulations are met. On-site inspection of new septic tanks to ensure proper installation.	N/A	In effect
Putnam County	Wetlands Protection Ordinance	Regulate development near wetlands and require referral to Corps of Engineers when possible regulated activity is within 50 feet of wetlands.	12/00	In effect
Georgia DNR – EPD	Concentrated Animal Feeding Operation Requirements	Regulates confined animal operations. Requires nutrient management plans, operator certification and BMP use.	2000	In effect

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
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Georgia Forestry Commission	Forestry Water Quality Program	Includes development of BMPs, BMP education programs, and BMP monitoring for BMP compliance.	1978; Manual updated 6/99	In effect
University of Georgia – Cooperative Extension Service	Promotion of Soil and Water Conservation in Agriculture	Provides classroom instruction, basic and applied research, consulting assistance, preparation of comprehensive nutrient management plans, and information for nonpoint source water quality impacts.	N/A	In effect
Georgia Soil and Water Conservation Commission	Agriculture Nonpoint Source Management Lead Agency	Develops nonpoint source management programs, and conducts educational activities to promote protection of land and water devoted to agricultural uses.	1937	In effect
Natural Resources Conservation Service	Financial/Technical assistance to farmers	Develops standards and specifications for agriculture BMPs. Implements Environmental Quality Incentives Program, Conservation Reserve Program, and Small Watershed Program. Conducts National Resources Inventory every five years. Provides web-based database application (Performance and Results Measurement System, PRMS).	--	In effect
Georgia DNR - EPD	Georgia Adopt-A-Stream	Includes visual surveys, stream monitoring and clean-up along Rooty Creek.	01/98	In effect
Rock Eagle 4-H Center	Educational Programs	Includes numerous environmental programs and workshops for school-age children and adults in a variety of settings.	N/A	In effect
Eatonton/Putnam County 4-H Programs	Agricultural Education for youth	Provides agricultural and natural resource education for youth.	N/A	In effect
Eatonton/Putnam County	Public Education	Includes the following: (1) Videotape series that identifies significant natural resources in Eatonton/Putnam County, identifies the vulnerability of these resources to land development and other activities, and identifies the ways the public can participate in protecting and preserving these resources; (2) a curriculum that focuses on Putnam	N/A	In effect

		County's natural resources and the student's role in protecting them; and (3) a speaker's bureau of noted local/state officials who could speak to various groups on the state of Putnam County's natural resources and ways the public can help protect and preserve them.		
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Additional recommended regulatory or other measures, which should be implemented to reduce the loads of the TMDL parameter

ENTITY/ORGANIZATION RESPONSIBLE	NAME OF PROPOSED REGULATION/ORDINANCE/ OTHER	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
City of Eatonton	Part V Environmental Criteria Ordinances (wetlands, groundwater recharge, and water supply watershed)	Protect wetlands, groundwater recharge areas and water supply watersheds and intakes.	10/02	Part of UPWP Update
Eatonton/Putnam County	Buffers/Setbacks along all perennial streams	Adhere to BMPs and establish BMP criteria.	10/02	Proposed
Eatonton/Putnam County	Zoning Ordinance Revisions	Create flexibility that includes incentives to land developers and builders to protect on-site wetlands, steep slopes, erodible soils, etc., i.e. use of innovative land use design and conservation easements.	10/02	Proposed
Eatonton/Putnam County	Establish partnerships with NRCS, Georgia Forestry Commission, Soil and Water Conservation Commission, University of Georgia Cooperative Extension Service, Georgia DNR-Wildlife Resources Division, and Home Builders Association	Set mutual responsibilities on the monitoring of BMPs and NPDES permits, providing assistance to farmers, foresters and builders in implementing BMPs, and providing educational programs to farmers, foresters, builders, and the general public, and assisting with wildlife management.	10/02	Proposed
Georgia DNR - EPD	Georgia Adopt-A-Stream Program	Expand use of program in the city and county by enlisting and training new volunteers to conduct visual surveys, biological monitoring, and chemical testing	6/02	Expansion of program on Rooty

		and cleanup on impaired streams.		Creek
Builders/Developers	DIRT II Techniques	Model and manage stormwater runoff from construction sites within Rooty Creek watersheds that are located within 100 feet of Rooty Creek and its tributaries.	1/03	Proposed
Eatonton/Putnam County	Builder/Developer Education	Hold workshops and other forums to discuss the General Stormwater NPDES Permit for construction activities, DIRT II techniques, and other innovative techniques to protect sensitive natural resources.	10/02	Proposed
Putnam County Health Department	Mandatory Inspection of Septic Tanks	Adopt ordinance giving Health Department the authority to inspect existing septic tanks to make sure they are in good repair and have been recently cleaned. Require residents to clean septic tanks on a regular basis.	10/03	Proposed
City of Eatonton	Inspection and Repair of Sewer Mains	Regular testing of sanitary sewer mains for leaks and overflows and make repairs where necessary.	10/01	Proposed
DNR-WRD/Volunteer Instructors	Hunter Education	Proper disposal of animal and human waste.	10/01	Proposed
City of Eatonton	Stormwater Management Regulations	Requires plans to control stormwater runoff from disturbed sites.	10/02	Proposed

III. SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES OR OTHER CONTROL ACTIONS:

These must be implemented as expeditiously as practicable within five years of when the implementation plan is accepted by EPA.

IMPLEMENTATION ACTION	YEAR 1 10/01-02	YEAR 2 10/02-03	YEAR 3 10/03-04	YEAR 4 10/04-05	YEAR 5 10/05-06
Form stakeholders group	X				
Organize implementation work with stakeholders and local officials to identify remedial measures and potential funding sources	X				
Identify sources of TMDL parameter	X				
Develop management programs to control runoff including identification and implementation of BMPs (Phase I):					
Agriculture	X	X	X	X	X
Forestry	X	X	X	X	X
Urban	X	X	X	X	X
Wildlife Management	X	X	X	X	X
Organize and implement education and outreach programs	X	X	X	X	X

Detect and eliminate illicit discharges		X	X	X	X
Evaluate additional management controls needed					X
Monitor and evaluate results	X	X	X	X	X
Reassess TMDL allocations	X	X	X	X	X
Provide periodic status reports on implementation of remedial activities	X	X	X	X	X
If needed, begin process for Phase II (next 5 years) and subsequent phases					X

IV. PROJECTED ATTAINMENT DATE AND BASIS FOR THAT PROJECTION:

The projected attainment date is 10 years from acceptance of the implementation plan by EPA.

V. MEASURABLE MILESTONES:

- Number of management controls and activities already implemented 23
- Number of management controls and activities proposed in five-year work program 12
- Number of management controls and activities actually implemented in five-year work period _____(to be completed after 5 years)
- Stream sampled to identify areas of concern See monitoring plan
- Other _____
- Other _____

VI. MONITORING PLAN:

Monitoring data that placed stream on 303(d) list will be provided if requested.

Describe previous or current sampling activities or other surveys to detect sources or to measure effectiveness of management measures or other controls.

ORGANIZATION	TIME FRAME	PARAMETERS	PURPOSE	STATUS
DNR – EPD	1999	Fecal Coliform	Assess the presence of fecal coliform	Violation in 1999
City of Eatonton East – WPCP	On-going	Fecal Coliform	To ensure effluent meets NPDES requirements.	In compliance
Rooty Creek Adopt-A-Stream	On-going	Stream monitoring, visual surveys, and stream clean-up	Monitors the health of the stream and identify potential sources of pollution.	On-going

Describe any planned or proposed sampling activities or other surveys. (Scheduled EPD sampling can be found in the Basin Planning document.)

ORGANIZATION	TIME FRAME	PARAMETERS	PURPOSE	STATUS
DNR-EPD	2004	Fecal Coliform	Basin Planning	On-going
City of Eatonton	On-going	Fecal Coliform	To meet NPDES permit	On-going
Construction sites disturbing 5 acres or more	On-going	Stormwater Turbidity	To meet NPDES permit	On-going
Construction sites disturbing 1 acre or more	Begin 2003	Stormwater Turbidity	To meet NPDES permit	Proposed
University of Georgia and/or other subcontractors	6/02, 6/03, 6/05, 6/06	Fecal Coliform	Monitor and evaluate results of BMP implementation and impacts of effluent from Eatonton WPCP - East downstream.	Proposed
Adopt-A-Stream – Rooty Creek	6/02, 6/03, 6/05, 6/06	Fecal Coliform	Assist subcontractor with fecal coliform testing.	Proposed

VII. CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE:

- % concentration or load change (monitoring program)
- Categorical change in classification of the stream (delisting the stream is the goal)
- Regulatory controls or activities installed (ordinances, laws)
- Best management practices installed (agricultural, forestry, urban)

1. Monitoring Programs – The stream monitoring subcontractor along with Adopt-A-Stream Program, in coordination with the DNR – Water Protection Branch will conduct fecal coliform testing on Rooty Creek annually except for 2004. in 2004, the Georgia DNR will conduct stream monitoring, which includes testing for fecal coliform. It is hoped that the annual testing will show a change in the classification of the stream, thus delisting the stream from the 303(d) list.
2. Regulatory Controls or Activities Installed (ordinances, laws, education programs) – Monitor the number of regulatory and voluntary programs implemented during the five-year period.
3. Best Management Practices Installed (agriculture, forestry, urban development) – Ensure all necessary BMPs are being implemented in the Rooty Creek watershed.

COMMENTS

APPENDIX A

LITTLE RIVER/ROOTY CREEK PLAN ADVISORY COMMITTEE

Mr. David Bennett, Deputy Executive
Director
Ga. Soil & Water Conservation Commission
P. O. Box 8024
Athens, GA 30603

Ms. Roddie Anne Blackwell, President
Eatonton/Putnam County Chamber of
Commerce
P. O. Box 4088
Eatonton, GA 31024

Mr. Ben Brown, Supervisor
Piedmont Soil & Water Conservation
District
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Milledgeville, GA 31061

Mr. Grady Calvert, Supervisor
Piedmont Soil & Water Conservation
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Eatonton, GA 31024

Ms. Jo Beth Griffin
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Eatonton, GA 31024

Mr. Louis Kaduk
NRCS, USDA Service Center
130 Sparta Highway
Eatonton, GA 31024
Mr. Drew Marczak

The Timber Company
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Watkinsville, GA 30677

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Gainesville, GA 30503

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UGA Cooperative Extension Service
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Oglethorpe, GA 31068

Mr. Harold West
Georgia Forestry Commission
119 Highway 49
Milledgeville, GA 31061

Dr. Harriett Whipple
Georgia State College & University
P. O. Box 81
Milledgeville, GA 31061

Mr. Bill White
P. O. Box 8024
Athens, GA 30603

Mr. Wayne Williams, President
1473 Hunting Club Road
Crawfordville, GA 30631

Mr. Tom Wooten, Chief Ranger
Georgia Forestry Commission
302 Milledgeville Road
Eatonton, GA 31024

Ms. Sylvie Yon
170 W. Riverbend Drive
Eatonton, GA 31024

APPENDIX B

MAJOR PROPERTY OWNERS ALONG ROOTY CREEK

Rooty Creek - FC, BIO

Putnam County

Sarah Abrams, Clerk
P. O. Box 3820
Eatonton, GA 31024

John E. Bryant
117 Cold Branch Lane
Eatonton, GA 31024

Carol and Forrest Buckner
171 Crooked Creek Road
Eatonton, GA 31024

Howard Bruce
194 Crooked Creek Road, SE
Eatonton, GA 31024

Frank Carnes
126 Crooked Creek Road
Eatonton, GA 31024

Thomas R. Copelan, Sr., et.
al.
600 Sparta Highway
Eatonton, GA 31024

Mayor Billy Dabbs
P. O. Box 3820
Eatonton, GA 31024

Allene T. Daniel
Kamelea Drive
Hawkinsville, GA 31036

Joe DeLoach, III
451 Oconee Springs Road,
SE
Eatonton, GA 31024

Dumas Family Trust
Partnership
9031 Thornton Road
Jonesboro, GA 30236

Mary Ellen Dunn

139 Gray Road, SW
Eatonton, GA 31024

City of Eatonton Treatment
Plant
City Hall
Marion Street
Eatonton, GA 31024

Eatonton Health and Rehab.
P. O. Box 4210
Eatonton, GA 31024

Georgia Pacific Corporation
P. O. Box 1069
Watkinsville, GA 30677

Georgia Power Company
241 Ralph McGill Boulevard,
NE
Atlanta, GA 30308-3374

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Gail Park Hooper
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Milton, FL 32570

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Eatonton, GA 31024

Lockerly Arboretum
Foundation
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Milledgeville, GA 31061

Myrna C. Meadows

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SW
Eatonton, GA 31024

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Robert and Lorraine Neligan
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Eatonton, GA 31024

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Eatonton, GA 31024

Putnam General Hospital
101 Lake Oconee Parkway
Eatonton, GA 31024

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Weyerhaeuser Corporation

Attn: Kay Mooney
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Eatonton, GA 31024

R. C. Whitman III
Dixie W. Huffman
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Billy and Sharon Williamson
170 Wellington Drive
McDonough, GA 30252

